

APC/Fire™ 750 anti-human VISTA (PD-1H) Antibody

Catalog# / Size	378111 / 25 tests 378112 / 100 tests
Clone	A17002B
Regulatory Status	RUO
Other Names	V-Set Immunoregulatory Receptor (VSIR), B7H5, GI24, B7-H5, Dies1, PD-1H, SISP1, VISTA, PP2135, C10orf54, DD1alpha
Isotype	Mouse IgG2b, κ
Description	VISTA (V-domain Ig suppressor of T cell activation), also known as PD-1H, is a type I transmembrane protein with a single extracellular IgV domain. VISTA is expressed by a subset of T cells, macrophages, dendritic cells, neutrophils, and NK cells. It was reported that in certain tumor environment, there is low-pH dependent interaction between VISTA and PSGL1. However, the physiological binding partner for VISTA and the mechanism of its action are not clearly understood. VISTA is considered as a checkpoint regulator and a promising target for cancer immunotherapy.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Recombinant human VISTA protein
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 774 nm.
Excitation Laser	Red Laser (633 nm)
RRID	AB_3699021 (BioLegend Cat. No. 378111) AB_3699021 (BioLegend Cat. No. 378112)

Antigen Details

Structure	Ig V-domain like
Distribution	Hematopoietic cells, monocytes, macrophages, dendritic cell, granulocytes, subsets of T cells

Function	Suppressing T cell activation
Cell Type	Dendritic cells, Granulocytes, Lymphocytes, Macrophages, Monocytes, T cells
Biology Area	Immunology, Inhibitory Molecules
Antigen References	<ol style="list-style-type: none"> 1. Wang Li, <i>et al.</i> 2011. <i>J Exp Med.</i> 208:577-92. 2. Nowak EC, <i>et al.</i> 2017. <i>Immunol Rev.</i> 276:66-79. 3. Flies DB, <i>et al.</i> 2014. <i>J Clin Invest.</i> 124:1966-75.
Gene ID	64115

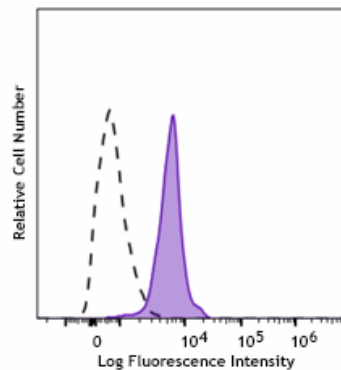
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human VISTA (PD-1H), TotalSeq™-C1457 anti-human VISTA (PD-1H), TotalSeq™-A1457 anti-human VISTA (PD-1H), TotalSeq™-B1457 anti-human VISTA (PD-1H), APC/Cyanine7 anti-human VISTA (PD-1H) Antibody, APC/Fire™ 750 anti-human VISTA (PD-1H) Antibody, FITC anti-human VISTA (PD-1H) Antibody

Product Data



Human peripheral blood monocytes were stained with anti-human VISTA (PD-1H) (clone A17002B) APC/Fire™ 750 (filled histogram) or mouse IgG2b, κ APC/Fire™ 750 isotype control (open histogram).

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